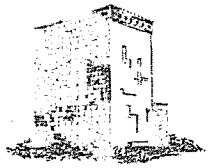

McARDLE LABORATORY
FOR CANCER RESEARCH
DEPARTMENT OF ONCOLOGY
MEDICAL SCHOOL, UNIVERSITY OF WISCONSIN

January 23, 1992

The Council for Tobacco Research
900 Third Avenue
New York, N.Y. 10022

To whom it may concern:

I would like to receive information and applications for applying for research funds from the Council for Tobacco Research. The project I will propose will attempt to learn about the structure/function relationships of an interesting class of growth and differentiation factors, the members of the transforming growth factor beta family. The approach will be to use a new genetic selection system we have developed in Drosophila for mutations in the two Drosophila members of the TGF-beta family, dpp and 60A. These genes encode proteins with 70% amino acid sequence identity to the human bone morphogenetic proteins. The approach should permit identification of the specific amino acids critical for receptor binding/activation. This information could be important in the development of pharmaceuticals to perturb the biological functions mediated through members of this family of growth factors.

Thank you.

Yours sincerely,

F. Michael Hoffmann, Ph.D.
Associate Professor of Oncology

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Source: https://www.industrydocuments.ucsf.edu/docs/npgc0000